

Appl. No. 10/630,079

Amdt. Dated July 16, 2004

Reply to Office Action mailed June 28, 2004

AMENDMENTS TO THE SPECIFICATION

Please add a period to the last sentence of paragraph #0045, as shown below:

--The displacement between images can be provided by a high-intensity, low frequency toneburst from transducer 15 of Figure 2. The acoustical frequency and intensity are selected to provide displacement of the floor 9 sufficient for the imaging interferometer (camera 1) to detect the motion. In one particular embodiment, the acoustical transducer 15 transmits a signal having a frequency of 500 Hz, and an intensity of 10 Watts/cm², which provides adequate displacement to the floor 9 to detect buried objects. The frequency and intensity of the low frequency vibratory energy may be varied according to the materials of the underwater floor and the resolution capabilities of the imaging interferometer.--